

CONTENTS

Cited in Biological Abstracts; Elsevier BIOBASE Current Awareness in Biological Sciences; Current Contents Life Sciences; EMBASE Excerpta Medica; Index Medicus; Informaticus; Pascal M

Special Issue:

Contents

FULL PAPERS

Aromatase Gene Expression in Gonadal and Extragonadal Tissue

- Aromatase expression and activity in male and female cultured rat hypothalamic neurons: effect of androgens
P. Negri-Cesi, A. Colciago, M. Motta, L. Martini, F. Celotti (Italy) 1
- Aromatase expression in prepubertal Sertoli cells: effect of thyroid hormone
S. Andò, R. Sirianni, P. Forastieri, I. Casaburi, M. Lanzino, V. Rago, F. Giordano, C. Giordano, A. Carpino, V. Pezzi (Italy) 11
- Aromatase expression in the human male
A. Brodie, S. Inkster, W. Yue (USA) 23

Estrogens and Estrogen Receptor in Male Genital Tract

- Oestrogen, its receptors and function in the male reproductive tract — a review
R.A. Hess, D. Bunick, J. Bahr (USA) 29
- Effects of estrogenic compounds on human spermatozoa: evidence for interaction with a nongenomic receptor for estrogen on human sperm membrane
M. Luconi, L. Bonaccorsi, G. Forti, E. Baldi (Italy) 39
- Estrogen receptor β expression in human prostate tissue
D. Pasquali, S. Staibano, D. Prezioso, R. Franco, D. Esposito, A. Notaro, G. De Rosa, A. Bellastella, A.A. Sinisi (Italy) 47
- Estrogens and health in males
G. Lombardi, S. Zarrilli, A. Colao, L. Paesano, C. Di Somma, F. Rossi, M. De Rosa (Italy) 51

Role of Estrogen in Male Gonad Development and Spermatogenesis

- Estrogen receptor- α is required by the supporting somatic cells for spermatogenesis
D. Mahato, E.H. Goulding, K.S. Korach, E.M. Eddy (USA) 57
- Germ cells: a new source of estrogens in the male gonad
S. Carreau (France) 65
- Modulation of gene expression by androgen and oestrogens in the testis and prostate of the adult rat following androgen withdrawal
K.J. Turner, M. Morley, S. MacPherson, M.R. Millar, J.A. Wilson, R.M. Sharpe, P.T.K. Saunders (UK) 73
- Estradiol enhances the stimulatory effect of FSH on testicular maturation and contributes to precocious initiation of spermatogenesis
K. Kula, R. Walczak-Jędrzejowska, J. Słowikowska-Hilczek, E. Oszukowska (Poland) 89

Estrogens: Clinical and therapeutical aspects in male

- Environmental xenoestrogens, antiandrogens and disorders of male sexual differentiation
C. Sultan, P. Balaguer, B. Terouanne, V. Georget, F. Paris, C. Jeandel, S. Lumbroso, J.-C. Nicolas (France) 99
- Congenital estrogen deficiency: in search of the estrogen role in human male reproduction
V. Rochira, A. Balestrieri, B. Madeo, E. Baraldi, M. Faustini-Fustini, A.R.M. Granata, C. Carani (Italy) 107
- Aromatase inhibitors: past, present and future
G.-E. Séralini, S. Moslemi (France) 117

ORAL COMMUNICATIONS

Aromatase Gene Expression in Gonadal and Extragonadal Tissue

Aromatase gene expression in the stallion

E. Lemazurier, P. Sourdain, C. Nativelle, B. Plainfossé, G.-E. Séralini (France)

133

Regulation of the aromatase gene expression in mature rat Leydig cells

C. Genissel, S. Carreau (France)

141

Estrogens and Estrogen Receptor in Male Genital Tract

The role of estrogen and estrogen receptor- α in male adipose tissue

P.S. Cooke, P.A. Heine, J.A. Taylor, D.B. Lubahn (USA)

147

Tissue-specific expression of human ER α and ER β in the male

S. Denger, G. Reid, H. Brand, M. Kos, F. Gannon (Germany)

155

Role of Estrogen in Male Gonad Development and Spermatogenesis

β -estradiol 3-benzoate affects spermatogenesis in the adult mouse

Y. Toyama, I. Hosoi, S. Ichikawa, M. Maruoka, E. Yashiro, H. Ito, S. Yuasa (Japan)

161

Prenatal testosterone and luteinizing hormone levels in male rats exposed during pregnancy to 2,3,7,8-tetrachlorodibenzo-p-dioxin and diethylstilbestrol

T. Haavisto, K. Nurmela, R. Pohjanvirta, H. Huuskonen, F. El-Gehani, J. Paranko (Finland)

169

Extracellular ATP stimulates estradiol secretion in rat Sertoli cells in vitro: modulation by external sodium

M. Rossato, M. Merico, A. Bettella, P. Bordon, C. Foresta (Italy)

181

Photoperiod-dependent capability of androgen aromatization and the role of estrogens in the bank vole testis visualized by means of immunohistochemistry

B. Bilińska, B. Schmalz-Frączek, M. Kotula, S. Carreau (Poland, France)

189

Effect of tamoxifen on sperm fertilising ability and preimplantation embryo development

N. Balasrinor, P. Parte, M.K. Gill-Sharma, H.S. Juneja (India)

199

Estrogens: Clinical and therapeutical aspects in male

Induction of hepatic aromatase by *p,p'*-DDE in adult male rats

L. You, M. Sar, E. Bartolucci, S. Ploch, M. Whitt (USA)

207

Role of estrogen on bone in the human male: insights from the natural models of congenital estrogen deficiency

V. Rochira, A. Balestrieri, M. Faustini-Fustini, C. Carani (Italy)

215

